

Table 30. Doctoral scientists and engineers, by occupation and race/ethnicity: 2001

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Occupation	Total	White ¹	Black	Asian/Pacific Islander	Hispanic	American Indian/Alaskan Native
[Number]						
All occupations.....	656,030	526,630	16,060	94,880	16,410	2,050
Scientists.....	401,210	327,330	9,390	52,050	11,070	1,380
Computer and information scientists.....	37,410	24,020	650	11,950	750	S
Computer/information scientists.....	30,490	18,860	490	10,520	600	S
Postsecondary teachers, computer sciences.....	6,920	5,150	170	1,430	150	S
Mathematical scientists.....	24,590	19,260	570	4,010	710	S
Mathematical scientists.....	9,310	6,730	250	2,130	180	S
Postsecondary teachers, math sciences.....	15,280	12,530	320	1,870	530	S
Life and related scientists.....	123,680	98,990	2,310	18,700	3,340	340
Agricultural and food scientists.....	10,830	8,810	280	1,280	420	S
Biological scientists, excluding medical scientists.....	38,690	29,270	500	7,750	1,080	100
Medical scientists.....	31,650	23,580	620	6,460	890	100
Forestry and conservation scientists.....	1,360	1,270	S	S	S	S
Postsecondary teachers, biological sciences.....	25,400	22,470	580	1,670	640	S
Postsecondary teachers, other life and related sciences.....	15,750	13,590	330	1,540	290	S
Physical and related scientists.....	88,020	72,800	1,250	11,770	1,970	240
Chemists, except biochemistry.....	30,300	23,010	470	6,180	610	S
Earth scientists.....	10,430	9,040	60	1,060	250	S
Physics and astronomers.....	16,280	13,780	100	2,090	270	S
Other physical scientists.....	1,360	1,170	S	140	S	S
Postsecondary teachers, chemistry.....	13,150	11,350	410	870	430	90
Postsecondary teachers, physics.....	9,450	8,030	120	1,060	240	S
Postsecondary teachers, other physical and related sciences.....	7,050	6,430	70	370	130	50
Social scientists.....	54,120	45,650	2,280	4,010	1,870	320
Economists.....	8,890	7,060	180	1,200	400	S
Political scientists.....	1,750	1,470	50	70	100	60
Sociologists and anthropologists.....	4,690	4,170	230	100	180	S
Other social scientists.....	2,650	2,370	90	150	S	S
Postsecondary teachers, economics	9,720	7,950	360	1,200	200	S
Postsecondary teachers, political science	9,380	8,320	460	360	220	S
Postsecondary teachers, sociology	8,410	7,000	630	440	280	60
Postsecondary teachers, other social sciences	8,640	7,310	270	470	460	130
Psychologists.....	73,390	66,620	2,340	1,620	2,430	380
Psychologists.....	54,470	49,830	1,520	1,120	1,710	290
Postsecondary teachers, psychology.....	18,910	16,790	820	500	710	90
Engineers.....	86,080	59,390	1,250	23,290	1,950	190
Aerospace/aeronautical engineers.....	5,140	4,000	S	1,010	80	S
Chemical engineers.....	9,390	6,070	120	2,940	260	S
Civil and architectural engineers.....	4,440	2,950	100	1,220	150	S
Electrical and related engineers.....	17,990	11,140	210	6,290	290	50
Materials/metallurgical engineers.....	1,420	910	S	470	S	S
Mechanical engineers.....	9,490	5,990	100	3,270	120	S
Other engineers.....	19,260	13,890	140	4,760	430	S
Postsecondary teachers, engineering.....	18,940	14,430	520	3,330	600	60
Non-S&E occupations.....	168,740	139,910	5,420	19,540	3,390	490
Top/mid-level managers, administrators, etc.....	86,680	71,890	2,680	10,250	1,660	210
Health and related occupations.....	19,230	15,590	630	2,610	320	80
Teachers, except S&E postsecondary teachers.....	26,480	22,650	1,320	1,560	830	130
Technicians/technologists.....	7,960	5,480	60	2,330	90	S
Sales and marketing occupations.....	7,760	6,210	150	1,250	140	S
Other non-S&E occupations.....	20,630	18,100	570	1,540	360	70

See explanatory information and SOURCE at end of table.

Table 30. Doctoral scientists and engineers, by occupation and race/ethnicity: 2001

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Occupation	Total	White ¹	Black	Asian/Pacific Islander	Hispanic	American Indian/Alaskan Native
	[Percent]					
All occupations.....	100.0	80.3	2.4	14.5	2.5	0.3
Scientists.....	100.0	81.6	2.3	13.0	2.8	0.3
Computer and information scientists.....	100.0	64.2	1.7	31.9	2.0	S
Computer/information scientists.....	100.0	61.9	1.6	34.5	2.0	S
Postsecondary teachers, computer sciences.....	100.0	74.4	2.4	20.7	2.1	S
Mathematical scientists.....	100.0	78.3	2.3	16.3	2.9	S
Mathematical scientists.....	100.0	72.3	2.6	22.9	1.9	S
Postsecondary teachers, math sciences.....	100.0	82.0	2.1	12.3	3.4	S
Life and related scientists.....	100.0	80.0	1.9	15.1	2.7	0.3
Agricultural and food scientists.....	100.0	81.4	2.5	11.8	3.8	S
Biological scientists, excluding medical scientists.....	100.0	75.6	1.3	20.0	2.8	0.3
Medical scientists.....	100.0	74.5	2.0	20.4	2.8	0.3
Forestry and conservation scientists.....	100.0	93.7	S	S	S	S
Postsecondary teachers, biological sciences.....	100.0	88.5	2.3	6.6	2.5	S
Postsecondary teachers, other life and related sciences.....	100.0	86.3	2.1	9.8	1.8	S
Physical and related scientists.....	100.0	82.7	1.4	13.4	2.2	0.3
Chemists, except biochemistry.....	100.0	75.9	1.6	20.4	2.0	S
Earth scientists.....	100.0	86.6	0.6	10.2	2.4	S
Physics and astronomers.....	100.0	84.6	0.6	12.8	1.7	S
Other physical scientists.....	100.0	86.1	S	10.1	S	S
Postsecondary teachers, chemistry.....	100.0	86.3	3.2	6.6	3.3	0.7
Postsecondary teachers, physics.....	100.0	84.9	1.3	11.2	2.5	S
Postsecondary teachers, other physical and related sciences.....	100.0	91.2	0.9	5.3	1.9	0.7
Social scientists.....	100.0	84.3	4.2	7.4	3.5	0.6
Economists.....	100.0	79.5	2.0	13.5	4.5	S
Political scientists.....	100.0	83.8	3.0	4.2	5.9	3.3
Sociologists and anthropologists.....	100.0	88.8	4.9	2.2	3.8	S
Other social scientists.....	100.0	89.6	3.4	5.7	S	S
Postsecondary teachers, economics	100.0	81.8	3.7	12.4	2.0	S
Postsecondary teachers, political science	100.0	88.8	5.0	3.9	2.4	S
Postsecondary teachers, sociology	100.0	83.3	7.5	5.3	3.3	0.7
Postsecondary teachers, other social sciences	100.0	84.5	3.2	5.4	5.4	1.5
Psychologists.....	100.0	90.8	3.2	2.2	3.3	0.5
Psychologists.....	100.0	91.5	2.8	2.1	3.1	0.5
Postsecondary teachers, psychology.....	100.0	88.8	4.4	2.6	3.8	0.5
Engineers.....	100.0	69.0	1.5	27.1	2.3	0.2
Aerospace/aeronautical engineers.....	100.0	78.0	S	19.6	1.6	S
Chemical engineers.....	100.0	64.6	1.2	31.3	2.8	S
Civil and architectural engineers.....	100.0	66.5	2.3	27.6	3.5	S
Electrical and related engineers.....	100.0	61.9	1.2	35.0	1.6	0.3
Materials/metallurgical engineers.....	100.0	64.0	S	32.9	S	S
Mechanical engineers.....	100.0	63.1	1.0	34.5	1.2	S
Other engineers.....	100.0	72.1	0.7	24.7	2.2	S
Postsecondary teachers, engineering.....	100.0	76.2	2.8	17.6	3.1	0.3
Non-S&E occupations.....	100.0	82.9	3.2	11.6	2.0	0.3
Top/mid-level managers, administrators, etc.....	100.0	82.9	3.1	11.8	1.9	0.2
Health and related occupations.....	100.0	81.1	3.3	13.6	1.7	0.4
Teachers, except S&E postsecondary teachers.....	100.0	85.5	5.0	5.9	3.1	0.5
Technicians/technologists.....	100.0	68.8	0.8	29.2	1.1	S
Sales and marketing occupations.....	100.0	80.0	2.0	16.1	1.8	S
Other non-S&E occupations.....	100.0	87.7	2.8	7.5	1.7	0.3

¹'Other' race included with 'white'.

KEY: S=Suppressed due to too few cases (fewer than 50 weighted cases). S&E=science and engineering.

NOTES: The race/ethnicity data shown are for all doctoral recipients, including temporary residents. Numbers are rounded to nearest ten. Details may not add to total because of rounding. Excludes estimated 518 individuals who reported never having worked so could not be classified by occupation.

SOURCE: National Science Foundation/Division of Science Resources Statistics, 2001 Survey of Doctorate Recipients